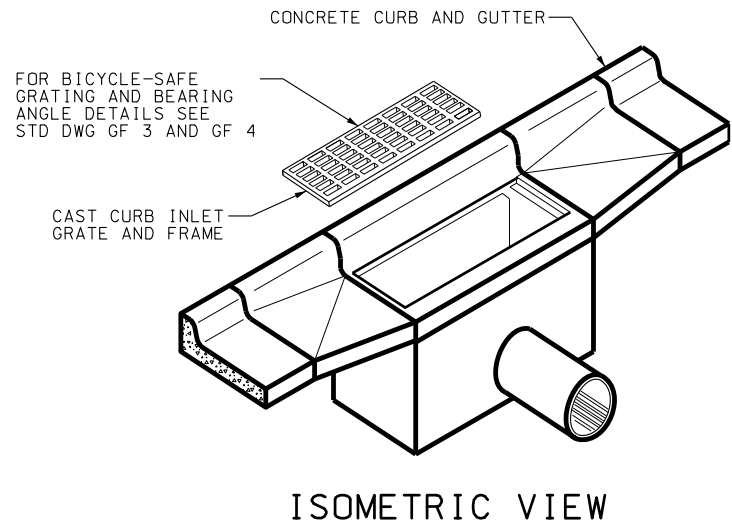
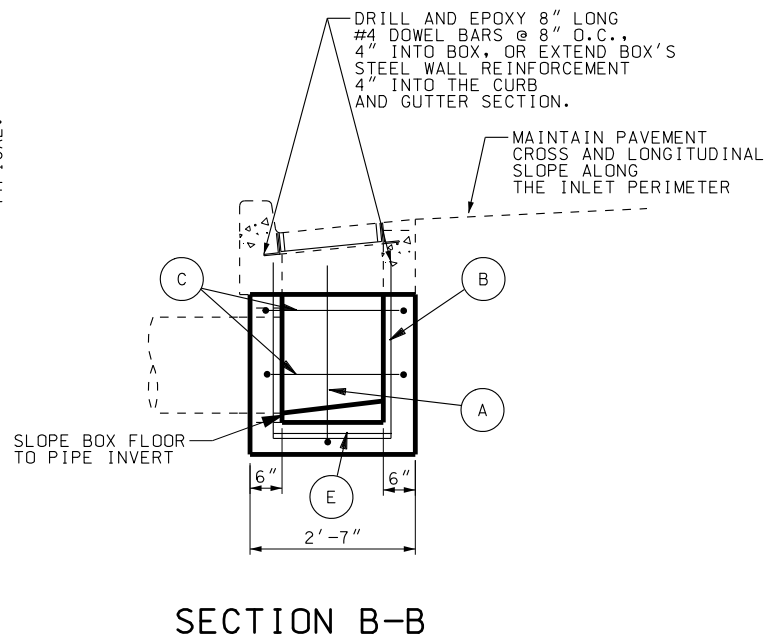
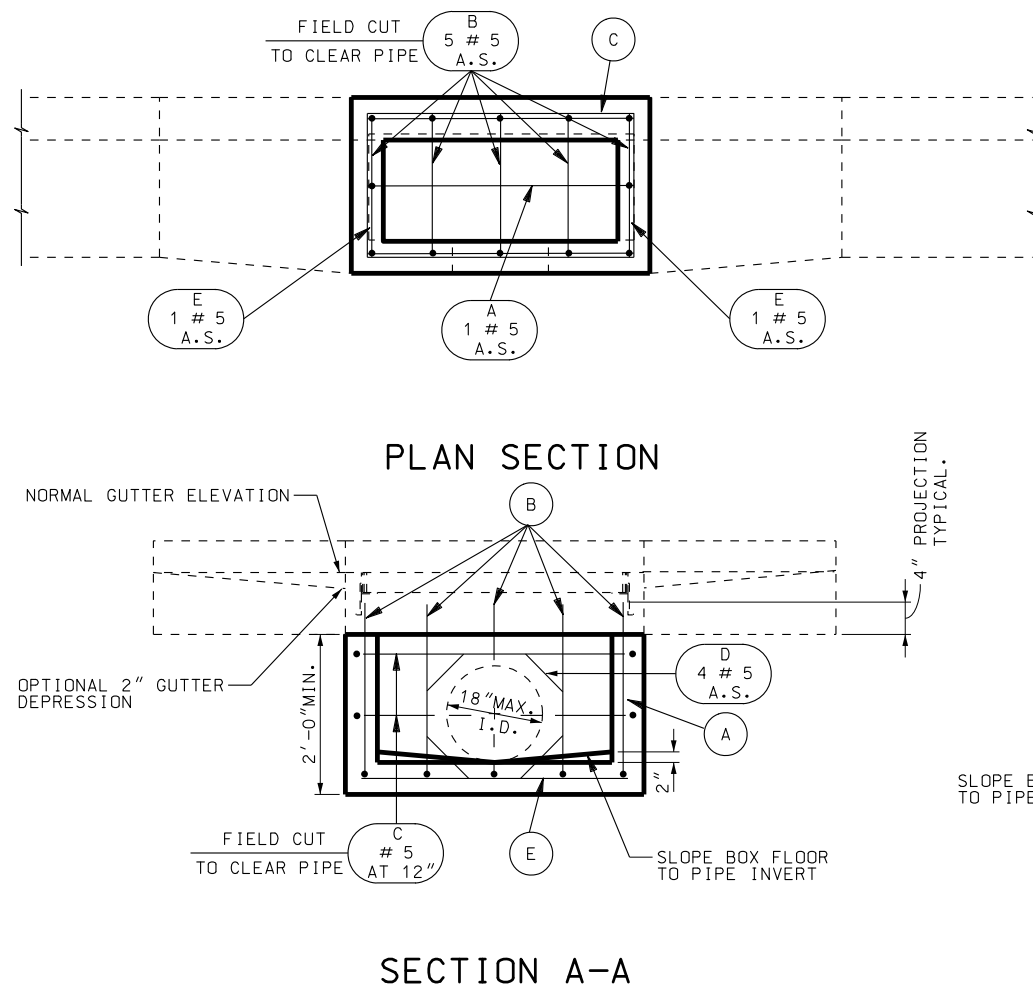
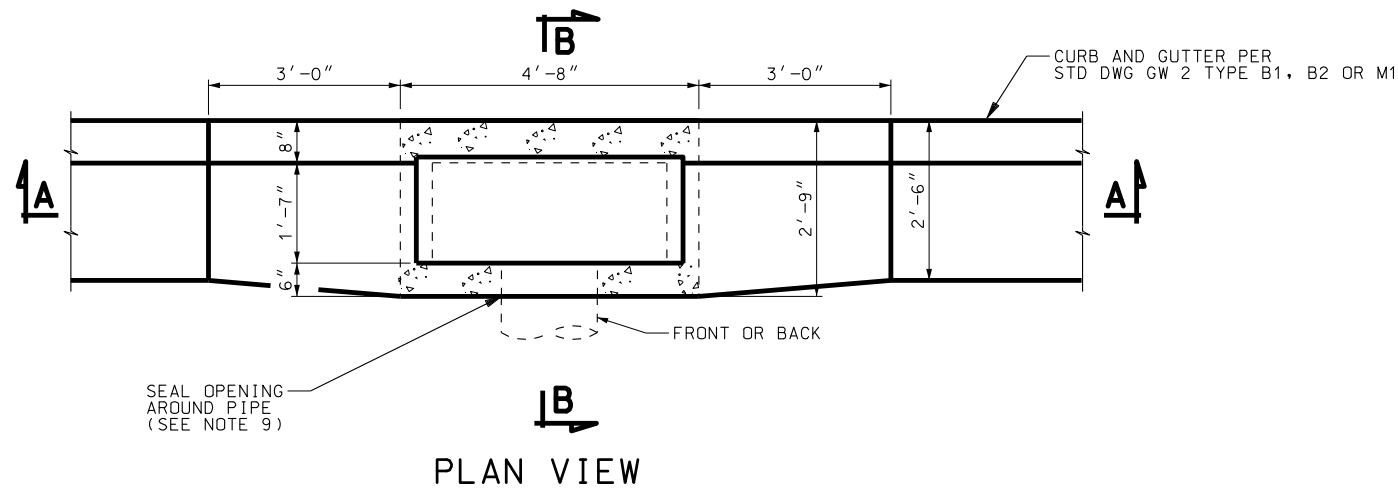


DGN File: L:\Standard Drawings\Imperial\2008\Approved\Catch Basins and Cleanouts (CB)\CB03.dgn 18-DEC-2007



NOTES:

1. USE COATED DEFORMED REINFORCING STEEL BARS CONFORMING TO AASHTO M 284 OR M 111 AND M 31 GRADE 60 RESPECTIVELY.
2. FIELD CUT AND BEND REINFORCING STEEL AS NECESSARY TO CLEAR PIPES AND MAINTAIN 2" COVER. REPAIR ANY DAMAGE OR CUTS TO THE EPOXY COATING ON REINFORCING BARS.
3. USE CLASS AA (AE) CONCRETE.
4. USE TYPE II CEMENT (LOW ALKALI).
5. PROVIDE 2" CONCRETE COVER TO REINFORCING STEEL.
6. FOR NUMBER, LOCATION AND SIZE OF PIPE(S) SEE ROADWAY PLANS.
7. PROVIDE 3/4" CHAMFER ON ALL EXPOSED CONCRETE CORNERS.
8. FOR GRATE AND FRAME SEE STD GF 3 OR GF 4.
9. CENTER PIPE IN BOX OPENING. USE APPROVED NON-SHRINK GROUT TO SEAL OPENING AROUND PIPE OR USE APPROVED PIPE MANUFACTURER'S PIPE BOOT.
10. SIZE BOX HEIGHT TO MEET MINIMUM COVER FOR PIPE USED. SEE STD DWG DG 4.

DESIGN DATA

HS 20 STANDARD SPECIFICATION FOR HIGHWAY BRIDGES 17TH EDITION.

STRUCTURAL STEEL $F_y = 36,000$ psi
STRUCTURAL CONCRETE $f'_c = 4,000$ psi
 $F_y = 60,000$ psi
 $n = 8$

REINFORCING STEEL LAYOUT				
PROVIDE 2" MIN. COVER TO ALL BARS				
BAR A	BAR B	BAR C	BAR D	BAR E

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION

SHALLOW
CATCH BASIN

STD DWG
CB 3

REVISIONS

RECOMMENDED FOR APPROVAL
CHAIRMAN STANDARDS COMMITTEE
APPROVED
DEPUTY DIRECTOR
DATE
JAN01.2008
DATE
JAN01.2008

REMARKS

NO. DATE APPR.